



API #3003923128
2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: PP140534
Cust No: 62000-14090

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: **SAN JUAN 30-5 #95; BHD**
County/State: RIO ARriba NM
Location: H28-30N-05W
Field:
Formation: DAKOTA
Cust. Stn. No.: 8580501
AM00013419NO

Source: BRADEHEAD
Pressure: 52 PSIG
Sample Temp: DEG. F
Well Flowing:
Date Sampled: 07/30/2014
Sampled By: BRIAN CAIN
Foreman/Engr.: DIANA GUO

OIL CONS. DIV DIST. 3

AUG 05 2015

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	1.004	0.1110	0.00	0.0097
CO2	0.004	0.0010	0.00	0.0001
Methane	92.992	15.7970	939.22	0.5151
Ethane	5.550	1.4870	98.22	0.0576
Propane	0.219	0.0600	5.51	0.0033
Iso-Butane	0.099	0.0320	3.22	0.0020
N-Butane	0.031	0.0100	1.01	0.0006
I-Pentane	0.037	0.0140	1.48	0.0009
N-Pentane	0.003	0.0010	0.12	0.0001
Hexane Plus	0.061	0.0270	3.22	0.0020
Total	100.000	17.5400	1051.99	0.5914

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0023
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1056.9
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1038.5
REAL SPECIFIC GRAVITY: 0.5926

**GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.**

DRY BTU @ 14.650: 1051.2
DRY BTU @ 14.696: 1054.5
DRY BTU @ 14.730: 1056.9
DRY BTU @ 15.025: 1078.1

CYLINDER #: 7018
CYLINDER PRESSURE: 51 PSIG
DATE RUN: 8/1/14 12:55 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #95; BHD
Stn. No.: 8580501
Mtr. No.: AM00013419NO

BRADEHEAD
DAKOTA

08/05/2014
62000-14090

Smpl Date:	07/30/2014	11/22/2004
Test Date:	08/01/2014	12/02/2004
Run No:	PP140534	PP241206
Nitrogen:	1.004	0.129
CO2:	0.004	0.002
Methane:	92.992	91.919
Ethane:	5.550	4.196
Propane:	0.219	2.177
I-Butane:	0.099	0.362
N-Butane:	0.031	0.523
I-Pentane:	0.037	0.164
N-Pentane:	0.003	0.129
Hexane+:	0.061	0.399
BTU:	1056.9	1124.2
GPM:	17.5400	17.9290
SPG:	0.5926	0.6268



API #3003923128
2030 Afton Place
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(505) 325-6622

Analysis No: PP140535
Cust No: 62000-15115

Well/Lease Information

Customer Name: CONOCO PHILLIPS COMPANY
Well Name: **SAN JUAN 30-5 #95; CSG**
County/State: RIO ARriba NM
Location: H28-30N-05W
Field:
Formation: DAKOTA
Cust. Stn. No.: 8580501
AM00013419NO

Source: CASING
Pressure: 184 PSIG
Sample Temp: DEG. F
Well Flowing: Y
Date Sampled: 07/30/2014
Sampled By: BRIAN CAIN
Foreman/Engr.: DIANA GUO

OIL CONS. DIV DIST. 3

AUG 05 2015

Remarks:

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.089	0.0100	0.00	0.0009
CO2	2.490	0.4260	0.00	0.0378
Methane	96.908	16.4590	978.77	0.5368
Ethane	0.397	0.1060	7.03	0.0041
Propane	0.040	0.0110	1.01	0.0006
Iso-Butane	0.029	0.0100	0.94	0.0006
N-Butane	0.012	0.0040	0.39	0.0002
I-Pentane	0.013	0.0050	0.52	0.0003
N-Pentane	0.004	0.0010	0.16	0.0001
Hexane Plus	0.018	0.0080	0.95	0.0006
Total	100.000	17.0400	989.77	0.5820

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0021
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 994.1
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 976.8
REAL SPECIFIC GRAVITY: 0.583

GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.

DRY BTU @ 14.650: 988.7
DRY BTU @ 14.696: 991.8
DRY BTU @ 14.730: 994.1
DRY BTU @ 15.025: 1014.0

CYLINDER #: 6227
CYLINDER PRESSURE: 184 PSIG
DATE RUN: 8/1/14 12:58 PM
ANALYSIS RUN BY: LOGAN CHENEY



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #95; CSG
Stn. No.: 8580501
Mtr. No.: AM00013419NO

CASING
DAKOTA

08/05/2014
62000-15115

Smpl Date: 07/30/2014
Test Date: 08/01/2014
Run No: PP140535

Nitrogen: 0.089
CO2: 2.490
Methane: 96.908
Ethane: 0.397
Propane: 0.040
I-Butane: 0.029
N-Butane: 0.012
I-Pentane: 0.013
N-Pentane: 0.004
Hexane+: 0.018

BTU: 994.1
GPM: 17.0400
SPG: 0.5830



API #3003923128

2030 Afton Place
Farmington, NM 87401
(505) 325-6622

Analysis No: PP140536

Cust No: 62000-15120

Well/Lease InformationCustomer Name: CONOCO PHILLIPS COMPANY
Well Name: **SAN JUAN 30-5 #95; INT**
County/State: RIO ARRIBA NM
Location: H28-30N-05W
Field:
Formation: DAKOTA
Cust. Stn. No.: 8580501
AM00013419NOSource: INTERMEDIATE
Pressure: 6 PSIG
Sample Temp: DEG. F
Well Flowing: N
Date Sampled: 07/30/2014
Sampled By: BRIAN CAIN
Foreman/Engr.: DIANA GUO

OIL CONS. DIV DIST. 3

AUG 05 2015

Remarks: PRESSURED WITH HELIUM TO 30 LBS.

Analysis

Component::	Mole%:	**GPM:	*BTU:	*SP Gravity:
Nitrogen	0.169	0.0190	0.00	0.0016
CO2	0.025	0.0040	0.00	0.0004
Methane	92.217	15.6700	931.39	0.5108
Ethane	4.024	1.0790	71.21	0.0418
Propane	2.005	0.5540	50.45	0.0305
Iso-Butane	0.346	0.1130	11.25	0.0069
N-Butane	0.497	0.1570	16.21	0.0100
I-Pentane	0.148	0.0540	5.92	0.0037
N-Pentane	0.123	0.0450	4.93	0.0031
Hexane Plus	0.446	0.1990	23.51	0.0148
Total	100.000	17.8940	1114.88	0.6235

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

**@ 14.730 PSIA & 60 DEG. F.

COMPRESSIBILITY FACTOR (1/Z): 1.0026
BTU/CU.FT (DRY) CORRECTED FOR (1/Z): 1120.4
BTU/CU.FT (WET) CORRECTED FOR (1/Z): 1100.9
REAL SPECIFIC GRAVITY: 0.6249GPM, BTU, and SPG calculations as shown
above are based on current GPA factors.DRY BTU @ 14.650: 1114.3
DRY BTU @ 14.696: 1117.8
DRY BTU @ 14.730: 1120.4
DRY BTU @ 15.025: 1142.8CYLINDER #: 4245
CYLINDER PRESSURE: PSIG
DATE RUN: 8/1/14 12:59 PM
ANALYSIS RUN BY: DAWN BLASSINGAME



CONOCO PHILLIPS COMPANY
WELL ANALYSIS COMPARISON

Lease: SAN JUAN 30-5 #95; INT
Stn. No.: 8580501
Mtr. No.: AM00013419NO

INTERMEDIATE
DAKOTA

08/05/2014
62000-15120

Smpl Date: 07/30/2014
Test Date: 08/01/2014
Run No: PP140536
Nitrogen: 0.169
CO2: 0.025
Methane: 92.217
Ethane: 4.024
Propane: 2.005
I-Butane: 0.346
N-Butane: 0.497
I-Pentane: 0.148
N-Pentane: 0.123
Hexane+: 0.446
BTU: 1120.4
GPM: 17.8940
SPG: 0.6249